

$$\begin{smallmatrix} \begin{pmatrix} X_0, \ f(X_0) \end{pmatrix} & \\ & &$$

$$\mathsf{D}^{\left(X_{\!\scriptscriptstyle{1}},\,f(X_{\!\scriptscriptstyle{1}})\right)}\mathsf{DDDDDDDDD}_{X\!DDD}^{\left(X_{\!\scriptscriptstyle{2}},\,0\right)}\mathsf{D}$$

$$\left(\begin{smallmatrix} X_2, & f(X_2) \end{smallmatrix}\right)_{\square\square\square\square\square\square\square\square\square\square} \times_{\square\square\square} \left(\begin{smallmatrix} X_3, & O \end{smallmatrix}\right)_{\square}$$

$$000000 \stackrel{X_2}{\longrightarrow} 000000000 \stackrel{X^2 + X-}{\longrightarrow} 1 = 0$$

$$200 \overset{X_{n+1}}{=} g(X_n) \overset{g(X_n)}{=} 000000 \overset{X_n}{=} \overset{X_{n+1}}{=} 00$$

$$X = 0.6823278 \cdots$$

$$2 \bmod 0 \qquad f(x) = x - \ln(ax + 1)(a \neq 0).$$

$$300000 \int_{0}^{f(x)} e^{x} - e^{x} - 2x$$

$$01000 \stackrel{f(x)}{\longrightarrow} 00000$$

$$f(x) = \frac{x^2 - 1}{x} - k \ln x(x \ge 1)$$

$$0100 f(x) \ge 00000 k_{00000}$$

$$10^{-1000} \sqrt{5} = 2.236_{-0.000} \ln \frac{5}{4} + 1000000000 = 0.010$$

$$5 = \ln X + X^2.$$

$$2(x) = f(x) - ax [1, +\infty)$$

$$D(x) = f(x) - (1 + b)x^2 + bx [1, 2]$$

600 n 00000r 000000

$$\frac{n^{r+1}-(n-1)^{-r+1}}{r+1} \le n^{r} \le \frac{(n+1)^{-r+1}-n^{r+1}}{r+1} = \frac{n^{r+1}-n^{r+1}}{r+1} = \frac{n^{r+1}-n^{r+1}}{r+1}$$

 $300 \times ∈ R_{00}[x]_{0000} \times 00000000 [2]=2$, [π]=4, $[-\frac{3}{2}]=-1_{00}$

$$000000_{80}^{\frac{4}{3}} \approx 344.7, \ 81^{\frac{4}{3}} \approx 350.5, \ 124^{\frac{4}{3}} \approx 618.3, \ 126^{\frac{4}{3}} \approx 631.7) \ 0$$

$$f(x) = ln(1+x) - \frac{ax}{x+1}(a>0)$$

100 X = 1000 f(x) 00000000 a000

$$f(x) = h(1+x) - \frac{x}{1+ax_{000}} a \in (0_0 1]_0$$

$$0100000 f(x) 000 [0_0 1]_0$$

900000
$$f(x) = ln(1+x) - \frac{dx}{x+1} (a > 0)$$

100000 X = 100000 X = 00000 A = 0000

0200
$$f(x)$$
...00 $[0$ 0 $+\infty)$ 000000 a 000000

$$0.30000 (\frac{2016}{2017})^{2017} < \frac{1}{e} (e) 0.000000000$$

$$f(x) = \ln(1+x) - \frac{\partial x}{x+1} (\partial > 0) = [\ln(1+x)]' = \frac{1}{1+x}$$

0200
$$f(x)$$
...0 $[0$ 0 $+\infty)$ 000000 d 000000

$$\frac{(2014)^{2015}}{2015})^{2015} < \frac{1}{e}$$

$$f(x) = In(1+x) - \frac{\partial x}{x+1} (a > 0)$$

$$100 \ ^{X=1} 100 \ ^{f(x)} 10000000 \ ^{a} 100$$

$$030000 \left(\frac{2017}{2016}\right)^{2017} > \textit{d}e \\ 0000000000$$



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